ADEMCO GROUP

VISTA – 20SEa

TECHNICAL TRAINING

The Best in Security plus
Everyday Convenience & Control

Version # .007
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VISTA – 20SEa
Training Guide Index

1. Basic Panel Features

VISTA 20SEa

- 8 Hardwired Zones – standard
- Expands to 38 Zones
  - Max 16 Zones Hardwired
  - Max 30 Zones Wireless *(5800 Series)*
- 2 Partitions + 1 Common Area
- 15 User Codes + 1 Duress Code/Partition
- Chime Function by Zone
- 4285 VIP Telephone Module
- UP to 4 Output Relays
- Securitel Compatible using Ademco Unistu

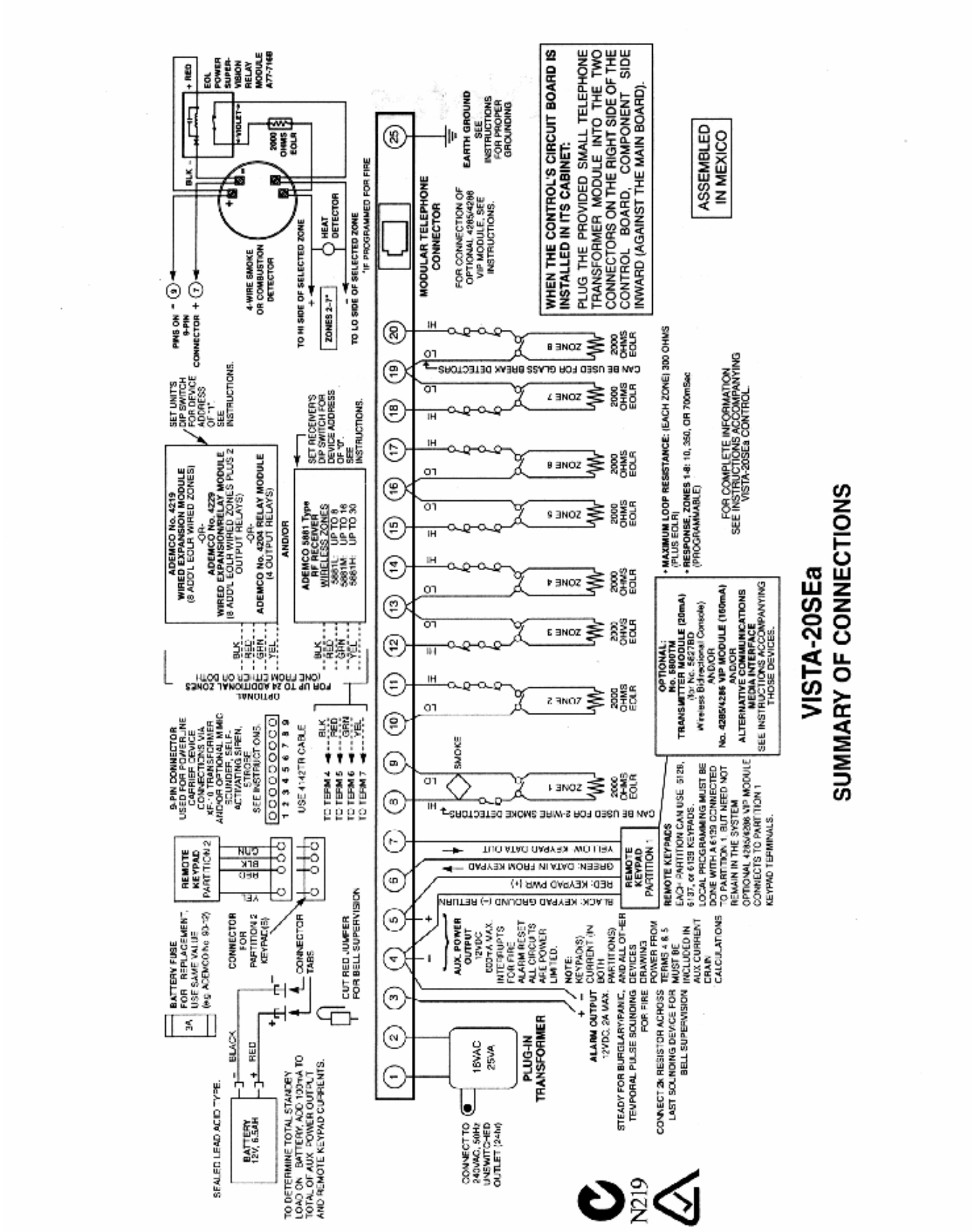
1.1 ***Comparison between Vista 20a & Vista 20SEa.***
Summary

Vista 20a 8 Basic wired zones	Vista 20SEa 8 Basic wired zones
Optional Expansion zones (up to 32 wired and wireless)supports one 8 zone expander (hardwired type)	**Optional Expansion zones** (up to 38 wired and wireless) supports one 8 zone expander (hardwired type)
Two Partitions	**Three Partitions** (Two partitions, plus one "Common Area") Note: Zones may be assigned to a third "Common Area" partition that will automatically arms when the second of two partitions is armed and automatically disarms when the first partition is disarmed in a completely armed system.
Remote Keypads Up to 4 of the following keypads may be used in each partition (6128, 6137 and 6139)	**The Same as Vista 20a**
Security Codes • Supports up to 16 user codes • One installer code for entire system (user 1) • One Master code for each partition (user 2) • 12 secondary user codes for each partition (users 3 - 14) • One restricted user code for each partition (user 15), this code will be able to disarmed the system if it was used to arm it (also known as Baby-sitter code)	**Security Codes** • Supports up to 16 user codes • One installer code for entire system (user 1) • One Master code for each partition (user 2) • 12 secondary user codes for each partition (users 3 - 14) • One restricted user code for each partition (user 15), this code will be able to disarmed the system if it was used to arm it (also known as Baby-sitter code) One user code used as DURESS or PANIC code (user 16)
Keypad Panic Keys If programmed in 1 & *, or A (Zone 95) 3 & #, or C (Zone 96) Panel default * & #, or B (Zone 99)	**The Same as Vista 20a**
Zone Monitor Feature Note: The control will sense a high resistance on wired Zones 2 to 8	**The Same as Vista 20a**
Optional Output Relays • Up to 4 Relays using 4204 Relay Module • Up to 2 Relays using 4229 Zone/Relay Module	**The Same as Vista 20a**
Optional Key-switch Zone Type	**No Key-switch Feature**
Optional Voice Module	**The Same as Vista 20a**
Reset-able smoke detector power	**The Same as Vista 20a**
2 Wire Smoke Supported on Zone 1 (up to six 2 wire smoke detectors supported)	**The Same as Vista 20a**
Built in Telephone Line Monitoring Option	**The Same as Vista 20a**
Alarm Output 12v dc 2amp	**The Same as Vista 20a**

Vista 20a 8 Basic wired zones	Vista 20SEa 8 Basic wired zones
Optional Siren / Bell Supervision Not Available on Vista 20a	**Optional Siren / Bell Supervision** (Console beeps and displays check 70 while panel dials and sends a Contact id event for siren/bell tamper)
Confirmation of Arming Ding **Location *38** **Enter 1** (in either or both partitions) to enable ½ second external alarm sounding "Ding" at Kiss off (when closing report goes in), or at the end of exit time if Open and Close (Arm away only) is not enabled. **Enter 0** in this location to disable this feature.	**Confirmation of Arming Ding** **Location *38** **Enter 1** (in either or both partitions) to enable ½ second external alarm sounding "Ding" at Kiss off (when closing report goes in), or at the end of exit time if Open and Close (Arm away only) is not enabled. **Enter 2** for RF key arming only notification "Ding". Note: The ½ second "Ding" will occur instantly when armed away by RF key, even If the open and close reports are enabled, It doesn't wait for the end of exit time. **Enter 0** in this location to disable this feature
Option Selection (Field *91) **Enter "0"** if an AAV unit is not being used (default) **Enter "4"** if an Audio Alarm Verification (AAV) unit is connected.	**Option Selection** (Field *91) **Enter "0"** if not being used (default). **Enter "1"** To restrict User code #15 option for Open/Close Reporting (applies for both partitions). **Enter "4"** if an Audio Alarm Verification (AAV) unit is connected. **Enter "8"** To enable Exit Delay Restart. This feature is only applicable, if armed in the **STAY or INSTANT** mode (See User Guide). You can Restart the Exit Delay at any time after arming in the INSTANT or STAY mode by pressing the "*" Key. <u>Example:</u> For restricted User #15 Open/Close Reporting and to enable Exit Delay restart, press "9" = 1 + 8 options.
Auxiliary Power Output	**The Same as Vista 20a**
Download Programming (V-link and Compass)	**Download Programming (Compass only)**
Communication Format Supported **Ademco Contact ID & Audio**	**The Same as Vista 20a**
Zone type 10 (Perimeter Burglary with pre-Alarm) A trip on this Zone type will start Entry delay #1, if tripped when the panel is armed in the **STAY or INSTANT** modes, regardless of weather or not an <u>Entry/Exit</u> delay zone was tripped first. **Note:** No pre-alarm delay is provided if tripped when panel is armed in the AWAY or MAXIMUM modes.	**Zone type 10** (Interior With Delay) A trip on this Zone type will start Entry delay #1, if tripped when the panel is armed in the **AWAY** mode, regardless of weather or not an <u>Entry/Exit</u> delay zone was tripped first. **Note:** This type of Zone is bypassed when the panel is armed in the STAY or INSTANT mode. No pre-alarm delay is provided if tripped when panel is armed in the MAXIMUM mode.

Vista 20a 8 Basic wired zones	Vista 20SEa 8 Basic wired zones
Wireless Transmitters This procedure is not required for the Vista 20a No QED feature (Quick Enrolment Device)	**Wireless Transmitters** **Note:** When programming a RF transmitter, the loop number must be typed in manually, before learning in the serial number Once serial number has been **enrolled** and **confirmed** by the system press "*" to display Zone summary. **Note:** The QED mode also allows a button transmitter such as 5804, to be used as a "Programming tool"
Mains Power Supply 16vac 1.5amp plug pack	**The Same as Vista 20a**
Back-up Battery 12vdc 7ah sealed Rechargeable type	**The Same as Vista 20a**
Chime Only per partition (User mode) Note: Chime mode does not apply to Zone Type 04 or Zone Type 10.	**Chime** • Can be programmed by zone (field *26). (Program zones to chime in Zone List 3) • Can be programmed by partition (User mode) **Note:** Chime mode does not apply to Zone Type 04 or Zone Type 10 (These are Interior types).
No Event log available	**Event Logging (field *88)** The Vista 20SEa has the ability to record various events in a History Log (up to 48-event capacity) 0 = None (to disable) 1 = Alarm/Alarm Restore 2 = Trouble Restore 4 = Bypass/Bypass Restore 8 = Open/Close #15 = Selects All Default is 3 = (1+2) Event log is only viewable through down-loader **Event Log 80% Full Report Enable** (field *89) It also can notify the central station when the Event Log is 80% Full (this feature is also enabled by default, to disabled this feature type in "00").
Entry & Exit Delay **Zone type 01 Entry delay** is partition specific. 0 = 0 seconds 1 = 20 seconds 2 = 30 seconds 3 = 45 seconds 4 = 60 seconds 5 = 90 seconds **Zone type 02 Entry delay** = Zone type 01 Entry delay + 30 seconds. **Exit delays** = Entry delay + 40 seconds. **Note:** Exit delay time selected is common for both Zone type 01 and Zone type 02. Zone type 01 Entry delay, Zone type 02 Entry delay and Exit delay are all programmed from field *35.	**Entry & Exit Delay** **Zone type 01 Entry delay** is also partition specific. Entry delay time of 00 – 99 seconds can be selected individually per partition (field *35) **Zone type 02 Entry delay** is also partition specific. Entry delay time of 00 – 99 seconds can be selected individually per partition (field *36) **Exit delay** is also partition specific. Exit delay time of 00 – 99 seconds can be selected individually per partition (field *34) **Note:** Exit delay time selected will be common for both Zone type 01 and Zone type 02.

2. Wiring Diagram



3. Vista 20SEa Instruction Addendum

Duress
User code # 16 is a global Duress code. Entry of this code will generate a Contact ID event code of 121 with a User # of 92. If used in conjunction with an Open or Close event, it will also send an Open/Close by User #16.

Supervised Bell/Siren Output
By cutting the Red jumper above terminals 1 and 2, the alarm output can be supervised by fitting a 2K-ohm resistor at the noisemaker. A short or open of the resistor will result in a Check/Trouble display and Contact ID Event Code of E321.

Strobe Output
Connect negative of Strobe to pin 8 of the nine way connector located near the middle of the circuit board.

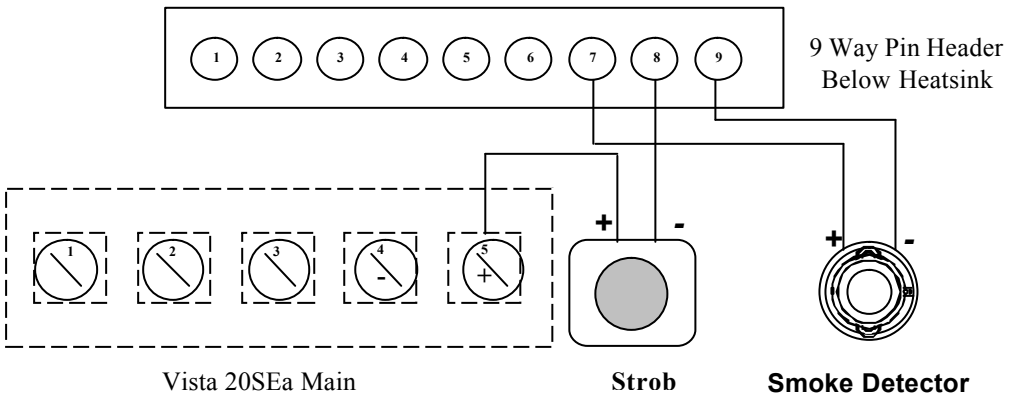
Connect positive of Strobe to terminal 5 of the main terminal block.

No programming is required for the Strobe function.

Confirmation of Arming Ding Options
An additional option for sounding the noisemaker when the system has been armed with an RF button is now available for either or both partitions. Program field *38 will now accept an entry of 2 for this feature.

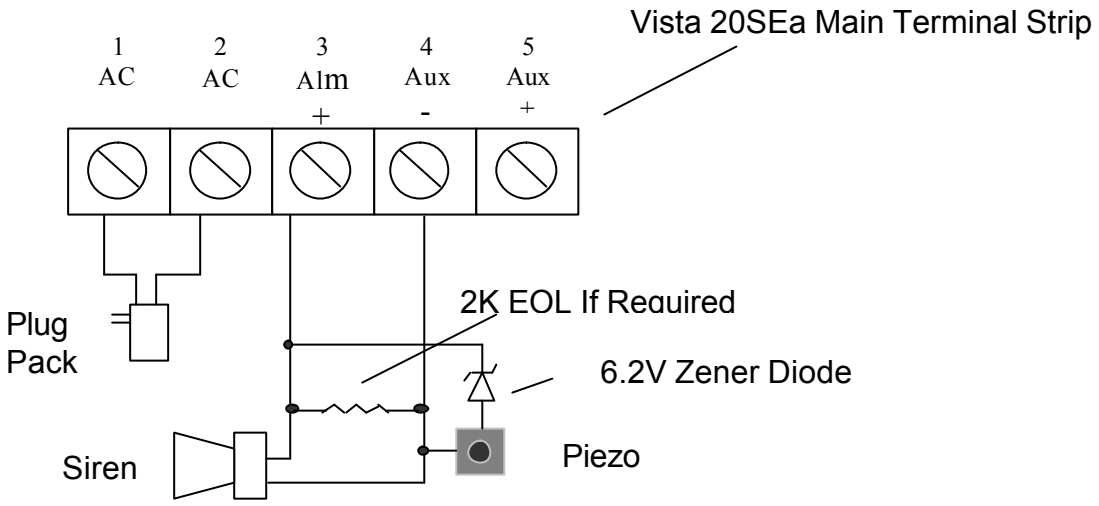
4 Wire Smoke Detectors
Smoke Detectors should be powered from the Programmable Trigger Output, pin 9 (-) and pin 7 (+), with Program field *90 set to 2, Resettable Smoke Detector Power.

RF Jamming Supervision
The 5882 RF receiver supports RF Jam Detection. If field * 22 is set to 4, a continuous RF transmission of greater than 30 seconds will generate a console display of RF Jam and a Contact ID event code of 344 to be sent to the Central Station.



3.1 Vista 20SEa Piezo Screamer Modification

Certain brands of Piezo Screamers may emit low volume “chirps” when connected to the Alarm Output Terminals of the Vista 20SEa. This is due to a slight voltage leakage inherent with the Siren supervision feature even though the feature may not have been enabled.



4.1 Programming

VISTA 20SEa Quickstart Programming Sheet

Follow this Guide to set up your Vista 20SEa with the following options:

* 8 Zones Hardwired
* Forced Arming
* Quick Arming
* 8 Minutes Siren time out
* Back to Base (Ademco Contact ID)
* Weekly test Reports
* 30 Secs Entry Time
* 70 Secs Exit Time

To Enable Siren Monitoring, Cut Link on Circuit board.
See Wiring diagram for more detail

Field	Entry	Function (comments)
Enter Programming Mode		Press "*****" & "**#**" within 50 Seconds of Power up **OR** Enter Installer Code **(4112)** + "**8**" + "**0**" + "**0**"
Pre Sets	* 9 7	***Loads Factory Defaults*** (Previous programming will be erased) ***MUST BE DONE***
Pre Sets	* 9 6	***Resets the Subscriber Account number and CSID. MUST BE DONE***
***20**	? ? ? ?	**Installer Code** (Default = 4 1 1 2)
***21**	1 1	**Quick Arm Enable** ("1" = Yes, "0" = No)
***40**	? ? ? *	**PABX Code:** (Only program for PABX access ie.. dial 0 to get a line)
***41**	? ? ? ? ? ? ? ? ? ? ? *	**Primary Phone Number:** Enter up to 16 digits (For local Alarms enter ***41***)
***42**	? ? ? ? ? ? ? ? ? ? ? *	**Secondary Phone Number:** Enter up to 16 digits (For local Alarms enter ***42***)
***43**	? ? ? ?	**Primary Subscriber ID - Partition 1** (Enter 4 digits)
***44**	? ? ? ?	**Secondary Subscriber ID - Partition 1** (Enter 4 digits)
***45**	? ? ? ?	**Primary Subscriber ID Partition 2** (Enter 4 digits)
***46**	? ? ? ?	**Secondary Subscriber ID Partition 2** (Enter 4 digits)
***47**	1	**Phone System Select** ("1" = Tone Dial, "0" = Pulse Dial)
***51**	2	**Periodic Test Report** ("2" = weekly test reports, "1" = 24 hourly test reports)
***52**	2	**Test Report Offset** ("0" = none, "1" = 6 hours, "2" = 12 hours, "3" = 18 hours)
***56**	Interactive Field	**Zone Assignment** (see Below)
***66**	0 0 0 0	**Arm Away/Stay Report Enable** ("00" = disable report)
***94**	A S _ R E Q U I R E D *	**Download Phone Number**
***95**	0	**Ring Detection Count for Downloading** ("# 15" = Answering System Defeat)
Exit	* 9 9	***Exits Programming mode***

Zone Assignment

For Zone Programming Enter *56 then Enter required Zone Number.

```
Zn  ZT  P  RC  In:  L

01  01  01  10  HW:  1
```

Zn = Zone Number
ZT = Zone Type
RC = Report Code
In = Input Type
L = Response Time or Loop Number

ZONE DEFAULTS

Zone 1 = (01) Entry / Exit Burglary #1
Zone 2 = (04) Interior Follower
Zone 3 = (03) Perimeter Burglary
Zone 4 = (03) Perimeter Burglary
Zone 5 = (03) Perimeter Burglary
Zone 6 = (03) Perimeter Burglary
Zone 7 = (03) Perimeter Burglary
Zone 8 = (03) Perimeter Burglary
Zone 9 = (05) Trb Day / Alm Ngt
Expansion Module Supervision
Zone 92 = Duress Enabled
Zone 99 = (06) 24 Hr Silent (* & #) Panic

Zone Types

ON IN STAY MODE

Type 01 Entry / Exit Burglary #1
Type 02 Entry / Exit Burglary #2
Type 03 Perimeter Burglary

OFF IN STAY MODE

Type 04 Interior Follower
Type 10 Interior with Delay

24 HOUR ZONES

Type 05 Trouble Day / Alarm Night
Type 06 24 Hour Silent Alarm
Type 07 24 Hour Audible Alarm
Type 08 24 Hour Auxiliary Alarm

WIRELESS ONLY

Type 20 Arm - Stay
Type 21 Arm - Away
Type 22 Disarming
Type 23 No Alarm Response

VISTA-20SEa

3-Partition Security System

Programming Form

V20SEaPRV1 9/98

®ADEMCO

Local programming requires the use of a 2-line Alpha keypad connected to Partition 1 keypad terminals on the control.

Field	Function	Programmed Values	[ ] = Default Value
SYSTEM SETUP (*20–*30)			
*20	INSTALLER CODE	Enter 4 digits, 0–9 [4 1 1 2]	[ ][ ][ ]
*21	QUICK ARM ENABLE	[0 = no]; 1 = yes	Partition 1 † [ ] Partition 2 † [ ]
*22	RF SYSTEM	[0 = none]; 1 = 5800 (5881); 4 = 5800 w/Jam Detection	[ ]
*23	FORCED ARM ENABLE	0 = no; [1 = bypass open exit route zones and arm AWAY]	Partition 1 † [ ] Partition 2 † [ ]
*24	RF HOUSE ID CODE	[0][0] Enter 01–31 if using 5827 keypad. Part'n 2 RF House Code = Entered (Part'n 1) Code +1	[ ]
*25	WIRED ZONE/RELAY EXPANSION	[0 = none]; 1 = 4219; 2 = 4229; 3 = 4204	† [ ]
*26	CHIME BY ZONE	[0 = no]; 1 = yes. (Program zones to chime in Zone List 3.)	[ ]
*27	X–10 HOUSE CODE	[0 = A]; 1 = B, 2 = C, 3 =D, 4 = E, 5 = F, 6 = G, 7 = H, 8 = I, 9 = J, #10 = K, #11 = L, #12 = M, #13 = N, #14 = O, #15 = P	[ ]
*28	VOICE MODULE ACCESS CODE (4285/4286)	(Partition 1 only) 1st digit: enter 1–9; 2nd digit: enter # + 11 for "*", or # + 12 for "#". Default = 00 (no Voice Module).	[ ]
*29	OUTPUT TO ALTERNATIVE COMMUNICATIONS MEDIA	To enable, enter Trouble code enable 1–9 [0 = No]	[ ]
ZONE SOUNDS AND TIMING (*32–*38)			
*31	SINGLE ALARM SOUNDING/ZONE	1 = yes; [0 = no].	† [ ]
*32	FIRE SOUNDER TIMEOUT	[0 = timeout]; 1 = no timeout.	† [ ]
*33	ALARM SIREN TIMEOUT	0 = none; 1=4 min; [2=8 min]; 3=12 min; 4=16 min..	† [ ]
*34	EXIT DELAY (common to Types 01/02)	00–99 secs [70 secs].	Partition 1 [ ] Partition 2 [ ]
*35	ZONE TYPE 01 ENTRY DELAY	00–99 secs [30 secs].	Partition 1 [ ] Partition 2 [ ]
*36	ZONE TYPE O2 ENTRY DELAY	00–99 secs [60 secs]	Partition 1 [ ] Partition 2 [ ]
*37	AUDIBLE EXIT WARNING	[0 = no]; 1 = yes.	Partition 1 † [ ] Partition 2 † [ ]
*38	CONFIRMATION OF ARMING DING	[0 = no]; 1 = yes.	Partition 1 † [ ] Partition 2 † [ ]
*39	POWER UP IN PREVIOUS STATE	0 = no; [1 = yes].	† [ ]

† Entry of a number other than the ones specified will give unpredictable results.

DIALLER PROGRAMMING (*40–*53)

In fields *40, *41, *42, enter up to the number of digits shown. Do not fill unused spaces. Enter 0–9; #+11 for '*'; #+12 for '#'; #+13 for a 2-second pause.

*40 PABX ACCESS CODE — Enter 6 digits. If fewer than 6 digits are entered, exit by pressing * (and press 41, if entering next field). To clear entries from field, press *40*. [ ][ ][ ][ ][ ][ ]

*41 PRIMARY PHONE No. — Enter up to 16 digits. [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]
Do not fill unused spaces. If fewer than 16 digits entered, exit by pressing * (and press 42, if entering next field). To clear entries from field, press *41*.

*42 SECONDARY PHONE No. — Enter up to 16 digits [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]
Do not fill unused spaces. If fewer than 16 digits entered, exit by pressing * (and press 43, if entering next field). To clear entries from field, press *42*.

		PRIMARY RECEIVER		SECONDARY RECEIVER
*43	PRIMARY SUBS ACCT # (PART'N 1)	[ ][ ][ ]	*44 SECONDARY SUBS ACCT # (PART'N 1)	[ ][ ][ ]
*45	PRIMARY SUBS ACCT # (PART'N 2)	[ ][ ][ ]	*46 SECONDARY SUBS ACCT # (PART'N 2)	[ ][ ][ ]

Enter 0–9; #+11 for B; #+12 for C; #+13 for D; #+14 for E; [#+15 for F].
To clear entries from field, press *43*, *44*, *45*, or *46*.

Examples: For Acct No. **1234**, enter: [1][2][3][4]
For Acct No. **B234**, enter: [#+11][2][3][4]

*47	PHONE SYSTEM SELECT	If Cent. Sta. *IS NOT* on a Satellite linked line: [0=Pulse Dial]; 1=Tone Dial † ☐ If Cent. Sta. *IS* on a Satellite linked line: 2=Pulse Dial; 3 =Tone Dial.
*48	REPORT FORMAT, PRIMARY/SECONDARY	Primary ☐ Secondary ☐ [0 or undefined] = Ademco Contact ID, 1 = Local Audio
*49	SPLIT/DUAL REPORTING	[0 = Disable (Backup report only)] ☐
*50	15 SEC DIALLER DELAY (BURG)	[0 = no]; 1 = yes. † ☐
*51	PERIODIC TEST REPORT	[0 = none]; 1 = 24 hours; 2 = weekly; 3 = 30 days. † ☐ (Enter Test Code in field *64. Reports with Partition 1 subscriber No.)
*52	TEST REPORT OFFSET	0 = 24 hour; 1 = 6 hours; [2 = 12 hours]; 3 = 18 hours. † ☐ (Time to 1st report from programming or downloading).

TO PRIMARY	TO SECONDARY
1 = Alarms, Restore, Cancel	Others
2 = All except Open/Close, Test	Open/Close, Test
3 = Alarms, Restore, Cancel	All
4 = All except Open/Close, Test	All
5 = All	All

† Entry of a number other than one specified will give unpredictable results.

***56 ZONE ASSIGNMENT/ALARM REPORT CODES** —This field is an interactive mode. Fill in the required data on the worksheet below (and on next page) and follow the programming procedure in the installation manual.

ZONES ON CONTROL:

See explanation of headings on next page ➡➡

ZONE DESCRIPTION	ZONE No. (Zn)	ZONE TYPE (ZT)	PART'N No. (P)	ALARM RPT CODE (Hex) (RC)	INPUT TYPE (In)	RESPONSE TIME (RT)
Wired Zone 1*	01	01		0100	HW	
Wired Zone 2	02	04		0100	HW	
Wired Zone 3	03	03		0100	HW	
Wired Zone 4	04	03		0100	HW	
Wired Zone 5	05	03		0100	HW	
Wired Zone 6	06	03		0100	HW	
Wired Zone 7	07	03		0100	HW	
Wired Zone 8	08	03		0100	HW	
Expansion Module Supervision	09	05	Both	0100	—	—
Duress	92	— —	Both	0100	—	—
Keypad Panic (1 & *, or A)	95	00	Both	0100	—	—
Keypad Panic (3 & #, or C)	96	00	Both	0100	—	—
Keypad Panic (* & #, or B)	99	06	Both	0100	—	—
	Defaults shown +			Defaults shown +		

*Zone 1 can be used as a 2-wire Fire zone.

EXPANSION ZONES:

With Field *25 set for auxiliary wired loops (4219 or 4229), use zone Nos. only in the range of 10–17 (for loops A–H). With Field *22 set for RF (5800), you can use any **unused** zone Nos. in the range of 10–39.

ZONE DESCRIPTION	ZONE No. (Zn)	ZONE TYPE (ZT)	PART'N No. (P)	ALARM RPT CODE (Hex) (RC)	ENTER FOR RF ONLY: INPUT TYPE (In)	ENTER FOR RF ONLY: LEARNED RF INPUT (L)
4219/4229 Loop A, 1st Exp'n Zone						
B, 2nd						
C, 3rd						
D, 4th						
E, 5th						

CONTINUED FROM PREVIOUS PAGE

ZONE DESCRIPTION		ZONE No. (Zn)	ZONE TYPE (ZT)	PART'N No. (P)	ALARM RPT CODE (Hex) (RC)	ENTER FOR RF ONLY: INPUT TYPE (In)	ENTER FOR RF ONLY: LEARNED RF INPUT (L)
4219/4229 Loop F,	6th Exp'n Zone						
G,	7th						
H,	8th						
	9th						
	10th						
	11th						
	12th						
	13th						
	14th						
	15th						
	16th						
	17th						
	18th						
	19th						
	20th						
	21st						
	22nd						
	23rd						
	24th						
	25th						
	26th						
	27th						
	28th						
	29th						
	30th						

EXPLANATION OF ZONE ASSIGNMENT TABLE HEADINGS

Zn = ZONE No. Zone Nos. are from 01 to 39, 92, 95, 96, 99. Some are pre-assigned.
With Field *25 set for auxiliary wired loops (4219, or 4229), use zone Nos. only in the range of 10–17 (for loops A–H).
With Field *22 set for RF (5800), you can use any **unused** zone Nos. in the range of 10–39.

ZT = ZONE TYPE

00 = Not Used	05 = Trouble Day/Alarm Night	20 = Arm–Stay
01 = Entry/Exit #1	06 = 24 Hr Silent	21 = Arm–Away
02 = Entry/Exit #2	07 = 24 Hr Audible	22 = Disarm
03 = Perimeter	08 = 24 Hr Aux	23 = No Alarm Response
04 = Interior Follower	09 = Fire	24 = Silent Burglary
	10 = Interior w/Delay	

P = PARTITION No. 1 or 2 Default Values for zones 01 – 08 = [1].

RC = ALARM REPORT CODE Two Hex Digits. For each Hex Digit, enter: 00–09 for 0–9, 10 for A, 11 for B,12 for C, 13 for D, 14 for E, 15 for F. If "00" is entered as the first digit, there will be no report for that zone.
For contact ID reporting, this is enabling code only. Enter any hex digit (other than 00) in the first pair of boxes. The second pair of boxes is ignored.

In = LOOP INPUT TYPE
HW: Basic Wired (automatically assigned)
AW: Enter "2" for AW (Auxiliary wired)
Enter 3 for RF: Supervised RF
Enter 4 for UR: Unsupervised RF
Enter 5 for BR: Button Type RF

RT = RESPONSE TIME 0 =10msec; 1 = 350 msec; 2 = 700 msec. Default Values for zones 01 – 08 = 1 (350 msec)

L = LEARNED RF INPUT Used with 5800 RF Loop Input Devices. Record transmitter input number.

TO PROGRAMME SYSTEM STATUS, & RESTORE REPORT ENABLES (*60–*76, & *89):

With Ademco Contact ID Reporting: Enter any digit (other than "0") in the *first* box, to enable zone to report (entries in the *second* boxes will be ignored).

A "0" (*not* "#+10") in the *first* box will disable the report.

Examples:

For Code **3** (single digit), enter: 3 | 0

For Code **32** (two digits), enter: 3 | 2

For Code **B2** (Hexadecimal), enter: #+11 | 2

SYSTEM STATUS REPORT ENABLES (*60–*68)

***60** TROUBLE REPORT ENABLE 1 | 0

***61** BYPASS REPORT ENABLE 1 | 0

***62** MAINS LOSS REPORT ENABLE ▼ 1 | 0

***63** LOW BAT REPORT ENABLE ▼ 1 | 0

***64** TEST REPORT ENABLE 1 | 0

***66** ARM AWAY/STAY RPT ENABLE Part. 1 1 (AWAY) 0 (STAY)

Part. 2 1 (AWAY) 0 (STAY)

***67** RF XMTR LOW BAT REPORT ENABLE 1 | 0

***68** CANCEL REPORT ENABLE 0 | 0

Defaults shown ↑

RESTORE REPORT ENABLES (*69–*76)

***69** RESTORE REPORT TIMING
[0=Dynamic]; 1=At disarm

***70** ALARM RESTORE RPT ENABLE 1

***71** TROUBLE RESTORE RPT ENABLE 1 | 0

***72** BYPASS RESTORE RPT ENABLE 1 | 0

***73** MAINS RESTORE RPT ENABLE ▼ 1 | 0

***74** LOW BAT RESTORE RPT ENABLE ▼ 1 | 0

***75** RF XMTR LO BAT RST RPT ENABLE 1 | 0

***76** TEST RESTORE RPT ENABLE 1 | 0

Defaults shown ↑

OUTPUT AND SYSTEM SETUP (*80–*93)

***80** OUTPUT RELAYS AND POWERLINE CARRIER DEVICES ***81** ZONE LISTS FOR OUTPUT DEVICES	*Programme only if Relays and/or Powerline Carrier devices are to be used. See next page.*

***82** CUSTOM ALPHA EDITING: (Also entered from field *56): *See procedure in Instructions.*

▼ Reports with Partition 1 Subscriber No.

***83** ADD/DELETE RF INPUT IDs (Also entered from field *56): *See procedure in Instructions.*

***88** EVENT LOGGING

0 = None
1 = Alarm/Alarm Restore
2 = Trouble/ Trouble Restore
4 = Bypass/Bypass Restore
8 = Open/Close
Default = 3 (1 + 2)

For combinations of these options, enter the sum of the options desired. *Example:* To select "Alarm/Alarm Restore", and "Open/Close", enter 9 (1 + 8); To select all, enter #15. **Note:** System messages are logged when any non-zero selection is made.

***89** EVENT LOG 80% FULL RPT ENABLE 1 | 0

***90** PROGRAMMABLE TRIGGER OUTPUT

[0=Keypad mimic], **1**=Satellite Siren Hold-Off,
2=Resettable 4-wire smoke detector power

***91** OPTION SELECTION

0 = None
1 = Restricted User Code #15 Special Features
4 = AAV (Audio Alarm Verification)
[8 = Enable Exit Delay Restart]

For combinations of these options, enter the sum of the options desired. Ex. To select AAV and Enable Exit Delay Restart, enter 12 (4 + 8). Press [#] first to enter 2-digit options.

***92** TELECOM LINE MONITOR ENABLE

[0 = Not used]
1 = Keypad display when line is faulted
2 = Keypad display plus keypad trouble sound
3 = Same as "2", plus Device #2 STARTS. If either partition is armed, external sounder activates also.

Note: Device #2 must either be programmed to be STOPPED in field *80 or STOPPED by Code + # + 8 + 2.

***93** NUMBER OF REPORTS IN ARMED PERIOD

0 = 10 Alarm/Alarm Restore Reports; [1 = Unlimited].

DOWNLOAD INFORMATION (*94, *95)

***94** DOWNLOAD PHONE No.

Enter up to 16 digits, 0–9; #+11 for '*'; #+12 for '#'; #+13 for a pause. Do not fill unused spaces. If fewer than 16 digits entered, exit field by pressing * (and press 95, if entering next field). To clear entries from field, press *94*.

***95** RING DETECT COUNT FOR DOWNLOADING

[0 = Disable Station Initiated Download]; 1–14 = number of rings (1–9, # +10 =10, # +11 =11, # +12 =12, # +13 =13, # +14 =14); 15 = answering machine defeat (# +15 =15)

Note: Do not enter "0" if using 4285/4286 Voice Module.

***96** INITIALISES DOWNLOAD ID, SUBSCRIBER ACCOUNT No. FOR INITIAL DOWNLOAD:
No data entry required.

***97** SETS ALL PROGRAMME FIELDS TO DEFAULT VALUES: No data entry required.

***98 and *99** USED TO EXIT PROGRAMME MODE (see page 7)

OUTPUT RELAYS/POWERLINE CARRIER DEVICES WORKSHEET FOR *80, and *81.

Applicable only if Relays and/or Powerline Carrier Devicess are to be used.

***80 OUTPUT DEVICES** – This is an interactive menu mode. Fill in the required data on the worksheet on below and follow the programming procedure in the installation manual as you enter the data during the displays and prompts that appear in sequence.

Notes: **1.** For Relays, field *25 must be programmed for a 4229 (Relays 01 and 02), OR for a 4204 (Relays 01 to 04).

2. For Powerline Carrier devices, field *27 must be programmed with a House Code.

3. Tamper switches of expansion units cannot be used to operate devices.

			START =either or both-				STOP =either or both-		
DEVICE NUMBER	**X-10 SELECT**	**ACTION (A)**	**EVENT (EV)**	**ZONE LIST (ZL)**	**ZONE TYPE SYST OP'N (ZT)**	**PART'N No. (P)**	***RESTORE of* ZONE LIST (ZL)**	**ZONE TYPE /SYST OP'N (ZT)**	**PART'N No. (P)**
OUTPUT RELAY OR P.L.C.D.* **01**	☐	☐	☐	☐	☐☐	☐	☐	☐☐	☐
OUTPUT RELAY OR P.L.C.D.* **02**	☐	☐	☐	☐	☐☐	☐	☐	☐☐	☐
OUTPUT RELAY OR P.L.C.D.* **03**	☐	☐	☐	☐	☐☐	☐	☐	☐☐	☐
OUTPUT RELAY OR P.L.C.D.* **04**	☐	☐	☐	☐	☐☐	☐	☐	☐☐	☐
P.L.C.D.* **05**	☐	☐	☐	☐	☐☐	☐	☐	☐☐	☐
P.L.C.D.* **06**	☐	☐	☐	☐	☐☐	☐	☐	☐☐	☐
P.L.C.D.* **07**	☐	☐	☐	☐	☐☐	☐	☐	☐☐	☐
P.L.C.D.* **08**	☐	☐	☐	☐	☐☐	☐	☐	☐☐	☐

+* P.L.C.D. = Powerline Carrier Device (X-10).

Where:

X-10 SELECT = Powerline Carrier Device Enter "1" if Powerline Carrier Device is being used, enter "0" if relay is being used.

A = DEVICE ACTION 0 = No Response; 1 = Close for 2 sec; 2 = Close and stay closed; 3 = Pulse on and off.

EV = EVENT 0 = Not used; **1** = Alarm; 2 = Fault; 3 = Trouble.

ZL = ZONE LIST 1, 2, or 3 (from Field *81) or 0 = Not Used.

"START" ZONE LIST: Upon alarm, fault, or trouble of ANY zone on this list, device action will START.

"STOP" *RESTORE of* ZONE LIST: Upon restore of ALL zones on this list, device action will STOP. It need not be same list as used for START.

ZT = ZONE TYPE/SYSTEM OPERATION

Choices for Zone Types are:

00 = Not Used
01 = Entry/Exit#1
02 = Entry/Exit#2
03 = Perimeter
04 = Interior Follower
05 = Trouble Day/Alarm Night
06 = 24 Hr Silent
07 = 24 Hr Audible
08 = 24 Hr Aux
09 = Fire
10 = Interior w/Delay
24 = Silent Burglary

Note: *Any* zone in "ZT" going into alarm, fault, or trouble will actuate relay. *Any* zone of that type that restores will stop relay action.

Choices for System Operation are:

20 = Arming–Stay
21 = Arming–Away
22 = Disarming (Code + OFF)
31 = End of Exit Time
32 = Start of Entry Time
33 = Any Burglary Alarm
36 = **At Siren Timeout***
38 = Chime
39 = Any Fire Alarm
40 = Bypassing
41 = **Mains Power Failure
42 = **System Battery Low
43 = Communication Failure
52 = Kissoff
58 = Duress

** Use 0 (Any) for Partition No. (P) entry.

*** Or at Disarming, whichever occurs earlier.

Note: In normal operation mode:
Code + # + 7 + N Key Entry **starts** Device N.
Code + # + 8 + N Key Entry **stops** Device N.

P = PARTITION No. 1, 2, or 0 for Any

***81 ZONE LISTS FOR OUTPUT DEVICES** – This is an interactive mode. Fill in the required data on the worksheet below and follow the procedure in the installation manual as you enter the data during the displays and prompts that appear in sequence.

Note: Record desired zone numbers below. More or fewer boxes than shown may be needed, since any list may include *any* or *all* of system's zone numbers.

Zone List 1: Started or stopped by zone numbers (enter 00 to end entries).

☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐.etc.

Zone List 2: Started or stopped by zone numbers (enter 00 to end entries).

☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐.etc.

Zone List 3: Started or stopped by zone numbers and/or assignment of Chime zones (enter 00 to end entries).

☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐.etc.

Zone List 4: Assignment of common area zones* (enter 00 to end entries).

☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐.etc.

* If this feature is programmed, the "common" area (such as a foyer or lobby) can be regarded as a third partition, though not independently programmable. See the Installation Instructions for details.

SPECIAL MESSAGES

OC = OPEN CIRCUIT (no communication between Keypad and Control).

EE = ERROR (invalid field number entered; re-enter valid field number).

After powering up, **AC, dl** (disabled) or **System Busy** and **NOT READY** will be displayed after approximately 4 seconds. This will revert to the **"READY"** message in appx. 1 minute, which allows PIRS, etc. to stabilise. To bypass this delay, press: **[#] + [0].**

If **E4** or **E8** appears, more zones than the expansion units can handle have been programmed. Correct the programming and then completely de-power and re-power the control to clear this indication and remove the disable indication.

TO ENTER PROGRAMMING MODE:

1. POWER UP, then depress **[*] and [#]** both at once, within 50 seconds of powering up.

   OR

2. Initially, key: **Installer Code (4 + 1 + 1 + 2)** plus **8 + 0 + 0.**

   OR

3. If different **Installer Code** is programmed, key: **New Installer Code + 8 + 0 + 0.**
   (If *98 was used to exit previously, method 1 above must be used to enter the programme mode again)

TO EXIT PROGRAMMING MODE:

***98** Exits programming mode and *prevents* re-entry by: Installer Code + 8+ 0 + 0. If ***98** is used to exit programming mode, system must be powered down, and method 1 above used to enter the programming mode.

***99** Exits programming mode and *allows* re-entry by: Installer Code + 8 + 0 + 0 or: Power-up, then "*" and "#".

5. User Functions
Training Module

USER CODE ENTRY:
Installer Code (Entered through Address *20)

Master Codes (enter both at partition 1 keypad)
- Installer code + 8 + 01 + partition 1 master code
- Installer code + 8 + 02 + partition 2 master code

- Both master codes are user 2 in their partition

Secondary Codes (enter at partition to be used)
- Master code + 8 + user (03-14 & 16) + User code

Baby Sitter Code (enter at partition to be used)
- Master code + 8 + 15 + Babysitter code

Duress Code (enter at partition to be used)
- Master code + 8 + 16 + Duress code

Deleting User Codes (enter at Partition to be used)
- Master code + 8 + User to be deleted (03-16)

END USER FUNCTIONS:
"Disarming"
- User Code + Off ("1" key)

"Away" Mode - All points active
- User Code + Away ("2" key)

"Stay" Mode - Interior type zones bypassed
- User Code + Stay ("3" key)

"Instant" Mode - Interior type zones bypassed with NO Entry Delay
- User Code + Instant ("7" key)

"Maximum" Mode - All points active with NO Entry Delay
- User Code + Maximum ("4" key)

Bypassing zones
- User Code + Bypass ("6" key) + zone No. (2 digit) to be Bypassed

Removing Bypass
- User Code + Off ("1" key)

Chime Mode
Programming Address "26"
- "0" = Perimeter zones types activated (Types 01, 02, 03)
- "1" = Zones listed in Zone List 3 (Go to Address 81 to program)

- User Code + Chime ("9" key) Toggles On and Off

6. Panel Expansion

6.1 Hard Wired Expansion
Training Module

There are three (3) models of Expanders available:
They are all fully supervised & have a tampered cover.

- **4219 will allow another (8) additional Hard Wired zones.**
- **4229 will allow another (8) additional Hard Wired zones + 2 Output Relays**
- **4204 will allow 4 Output Relays (**Please see separate section for Relay Programming)

Expander Installation & Programming:

- Power Down the Control Panel
- Only **ONE** hard wired module can be used on each System
- Connect the Expansion Module across the console bus.
- Set the dipswitches for address "1" (switch 2 OFF & SWITCHES 3, 4, and 5 ON).
- Zone 9 is used for expander supervision & should be programmed as "Zone Type 05"
- The zones on the expander start at 10 through to 17.
- Power Up the Control Panel
- Program Address 25 with the correct type of Expander (1 = 4219, 2 = 4229, 3 = 4204)
- Program All zones through Address **"*56".**
- Every Zone (10 – 17) must have a Zone type programmed (Other than "Zone Type 00")
- All End of Line resistors must be fitted (1K Eolr)
- A Loop Input Type of "2" for AW (Auxiliary wired) must be input.

Note: After leaving program mode the alarm panel requires a change in state of the alarm contacts to see the zone input. If zones are unsealed when exiting program mode they may not appear as faults on the system

SUITABLE ZONE TYPES

ON IN STAY MODE	OFF IN STAY MODE	24 HOUR ZONES
Type 01 Entry / Exit Burglary #1	Type 04 Interior Follower	Type 05 Trouble Day / Alarm Night
Type 02 Entry / Exit Burglary #2	Type 10 Interior with Delay	Type 06 24-Hour Silent Alarm
Type 03 Perimeter Burglary		Type 07 24-Hour Audible Alarm
		Type 08 24-Hour Auxiliary Alarm
		Type 09 Supervised Fire

6.2 6128RF
Basic Receiver Features

- 6128 LCD Fixed English Console
- 5881M 16 Channel Dual Diversity Receiver
- 5800TM “Status feedback” transmitter
- One Normally open Programmable Relay

OFFERING: Full 5800 Wireless compatibility

- Including
  - 5827BD two- way wireless keypads
  - 5804BD two – way wireless keys
- Unique supervision & low battery warning by zone (in system mode)
- Can be used on Controls without Wireless Capability (in Local mode)
- Offers the same range as a 5881 receiver
  - Nominally 60m
- End Users can disable lost 5804’s

6128RF Local Mode Programming
Training Module

Key Points:

- Use local mode when adding wireless Keypads or wireless keys to an Ademco control that does not support wireless.
- Wireless keys enrolled into the 6128RF console are called 'local keys'
- Local keys are enrolled directly into the 6128RF
- The unique serial No. of each key is learnt into the 6128RF
  - Thus maintaining the added security that unique encoding offers
- Local keys do not occupy zones of the control.
- Up to 8 wireless Local keys may be programmed into the 6128RF
- Local mode passes signals from wireless keypads and keys to the control as console data (as though keys were pressed on a hardwired console)
- Local keys are not supervised for low battery conditions.
- Local keys are assigned as a user code and limited to number of user codes available on the panel(10A – 7 user codes, 20SEA – 8 user codes)

Install the Unit:

- Connect the 6128RF across the Console Bus as you would a standard 6128 or 6139 console
- Program User codes into the system
  - This is important as the 6128RF transmits valid user codes to the panel when a 5804 is used.
  - If the user code is invalid the 5804 will not operate.

To Add Local 5804 Keys To 6128RF
Enter 6128RF Programming:

- Within 30 Secs of powering up the 6128RF, hold down the 1 & 3 keys to enter keypad program mode
- "00" and "—" will be flashing on the display
- Press "5" on console to enter Local key programming
- "d-" will be flashing on the display
- Select the wireless key device No. to program (1 – 8)
- "d1, d2" etc will be displayed depending on the device selected

Local Key Programming (Option 5):

1. Serial No. Programming
2. 4 Digit User Code
4. Program Loop Number function
5. Relay Action

6128RF Local Mode Programming Cont….

Serial Number Programming

- Press “1” on console to enrol 5804 Serial Number. “bL” will be flashing on the display
- Press any button on the 5804 to enrol the S/N. “bL” followed by the S/N will be displayed. Press * to continue to use code programming.

User Code Programming

- “d1” will be displayed. Press 2 to assign four-digit user code to the device. “u4” will be displayed.
- Enter a 4-digit user code that has already been assigned to the system. Press * to continue.
- Keypad returns to device number entry prompt (dl-d8)

Loop Number Functions

- Press “4” on console to program the loops system function. “A-“ will be displayed.

Loop Defaults

1 **Relay 2 Sec**
2 **Disarm system**
3 **Away Arming**
4 **Stay Arming**

- Enter the loop number (button No.) (1-4)
  (If you wish to erase a loop’s (button’s) system function, enter loop (button) number then “0” until 2 beeps are sounded then press * to continue)
- Enter the desired function for that loop (button) from the chart below

Function Options:
1 = Disarm
2 = Arm-Away
3 = Arm Stay
4 = Arm Max
7 = Arm Instant
# 99 = Panic (* and #)

- Press * to end. “A-“ will be displayed
- Repeat the procedure for all loops (buttons)
- Press * to continue (Display will return to D1-D8)

6128RF Local Mode Programming Cont….

Relay Programming

- "d1" will be displayed. Enter "5" on console, if the on board relay is to be programmed.
- "o –" will be displayed
- Enter the loop number (button number) that will drive the relay from the pictures on the previous page.
- Then select the relay action from the chart below:

Relay Action
0 = no action
1 = relay off
2 = relay on
3 = relay toggle on and off (clutch relay)
4 = closed for 2 seconds

- If further 5804's are to be added press * until (d –) is displayed and then select the next device number and step through from 'Serial number programming'.
- When completed exit console program mode by pressing * until the normal keypad status is displayed.

To Delete Remote Keys

Three Options are available:

1 Disable key in User Mode (See End user programming)
2 Over write Remote key serial number (See procedure above)
3 Default 6128RF Console
4 At the "bl" prompt in serial number programming, for the appropriate user, pressing the # key erases the serial number

To Default 6128RF

- The 6128RF comes with a set of pre-programmed default values
- Within 30 Secs of powering up the 6128RF, hold down the 1 & 3 keys to enter keypad program mode
- "00" and "—" will be flashing on the display
- Press "9". The display will flash EE.
- Press "1" to restore the default values or press any other key to exit without restoring the default values.
- If "1" was pressed, the keypad will beep 3 times, If any other key is pressed no sound will be heard times and the display will return to flashing "00" and "—".
- Press "*" to exit 6128RF programming mode

6128RF User Programming
Training Module

End User Programming

- Allows End User to enable or disable wireless keys that have been programmed as local keys
- Ideal if a user loses a wireless key

Enter User Programming

- Ensure Console has been powered up for at least one minute
- Press 1 &3 Keys simultaneously for a few seconds
- The display will show “d E” & “-“ flashing alternately
- Enter device Number (1-8).
  - This corresponds to the device No used in Local programming

- The display then shows “d & the device No (1-8)” + (“1” or “0”) flashing
- 1 = Enabled 0 = Disabled All wireless keys are defaulted to 1 (enabled)
- Enter 1 to enable or 0 to disable the key.
- Press * to accept the entry
- Repeat the procedure for all wireless keys you wish to change the status.
- Press * again to exit User mode

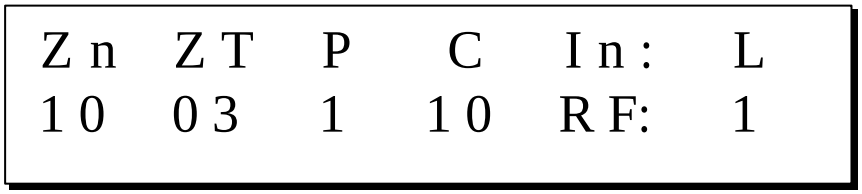
6.3 5882 Wireless Expansion Training Module

There are three (3) models of 5882:

- ***5882L will permit up eight (8) additional RF zones.***
- ***5882M will permit up to sixteen (16) additional RF zones.***
- ***5882H will permit up to thirty (30) additional RF zones.***

Expander Installation & Programming:

- Power Down the Control Panel
- Only **ONE** Wireless Receiver can be used on each System
- Connect the 5882 (radio receiver) across the console bus.
- If mounted in the Control panel ensure:
  - Earth Mounting Lugs are used
  - Ensure connecting cable supplied is **NOT** run behind the Control panel.



- Set the 5882 dip switches for address "0" (all switches OFF).
- Power Up the Control Panel
- Program Address "***22"** for RF System Type (Enter **"1"** for 5800 Series Radio)
- Program Wireless zones through Address **"*56".**
- Zone 9 is used for expander supervision & should be programmed as "Zone Type 05"
- Wireless zones start at Zone 10.
- If a hard-wired Expander is being used or will be fitted, then start at Zone 18.

"INPUT DEVICE"

"RF" = 3 is initially displayed for all supervised Transmitters (eg. Pirs, Smokes, Reeds)
"UR"= 4 for Unsupervised transmitters that can be carried off premises (eg. Panic Buttons)
"BR" = 5 for Button style transmitters that cannot be supervised (eg. 4 button remotes)
Check the Instructions that come with the transmitter for the correct input.

"ZONE TYPES"

ON IN STAY MODE	OFF IN STAY MODE	24 HOUR ZONES	WIRELESS ONLY
Type 01 Entry / Exit #1	Type 04 Interior Follower	Type 05 Trb Day / Alarm Night	Type 20 Arm - Stay
Type 02 Entry / Exit #2	Type 10 Interior with Delay	Type 06 24-Hour Silent Alarm	Type 21 Arm - Away
Type 03 Perimeter Burglary		Type 07 24-Hour Audible Alarm	Type 22 Disarming
		Type 08 24-Hour Auxiliary Alarm	Type 23 No Alarm Response
		Type 09 Supervised Fire	

5882 Wireless Expansion cont….
Training Module

LEARN S/N?

- Enter required loop number
- If **1** for Yes is entered, console will display, “TRANSMIT NOW”
- Activate the transmitter (Do not use tamper switch)
- Wait 2 second & reactivate transmitter
- The console should emit two short beeps
- The console will then display the Transmitter ID Number & Loop number

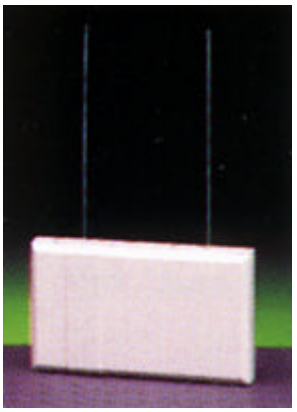
- **The Serial Number can also be entered manually**

- **The Panel must see 2 consecutive transmissions from the same transmitter**

RANGE TESTING

- Enter GO/NO GO test mode 4112 (Installer Code) # 4
- Ensure radio receiver is placed in the correct location
  (Do not fit receiver until Range Test successfully completed)
- Check receiver LED for interference
- After range Testing enter “Code” + “OFF” to exit test mode.

RANGE TEST EACH TRANSMITTER LOCATION
(Must be performed prior to Fitting Off)



5804 Four Button Remote
Training Module

- Connect 5882 wireless receiver across the console bus.
- Set the 5882dip Switches for address “0” all switches OFF)

Enter Panel Programming

- Program address *22 and enter “1” for 5800 series wireless
- Go to address *56 and learn 5804 buttons to the system
- Select zone number 10 or higher
- Each Button is a separate zone. (Max 4 Zones per Remote)
- Select Input Type as **“5” =** “BR” for Button style transmitters that cannot be supervised
- It is advisable to mark the Key with the first zone number, so they can be identified when required
- To avoid “check” conditions, Loop 4 must be programmed into the system

Suitable Zone Types:

Type 06 24-Hour Silent Alarm
Type 07 24-Hour Aud. Alarm
Type 08 24-Hour Aux. Alarm
Type 09 Supervised Fire

Type 20 Arm - Stay
Type 21 Arm - Away
Type 22 Disarming
Type 23 No Alarm

5804BD Wireless Bi Directional Remote
Training Module

- Connect 5882 wireless receiver across the console bus.
- Set the 5882 dip Switches for address “0” all switches OFF).
- Connect the 5800 TM to the console bus of Partition 1. The 5800 TM must be mounted outside of the Control Panel Cabinet No addressing of the 5800 TM is required.

Enter Panel Programming

- Program location *22 and enter “1” for 5800 series wireless
- Program location *24 and program the RF house ID. 2-digit entry is required. (Between 01-32)
- Go to location *56 and learn in 5804BD buttons to the system.
- Each Button is a separate zone. (Max 4 Zones per Remote)
- Select Input Type as **“5” =** “BR” for Button style transmitters that cannot be supervised
- To avoid “check” conditions, Loop C must be programmed into the system.
- To program the following Panic functions, Enable Zones 7 & 95 respectively in Address *56
  - **A & C** Keys = * & # Panic Function (Zone 99)
  - **B & D** Keys = 1 & * Panic Function (Zone 95)

Enter 5804 Programming

- Programming of the “House ID” into the 5804BD is required to identify the 5804BD into the system
- Hold down the A, B and C until the green and red leds blink alternately
- To view horse ID press the “D” button
- Enter the house ID by using the “A” button as the tens digit and the “B” button to the ones digit
- Accept the entry by pressing the “D” button

Suitable Zone Types:

Type 06 24-Hour Silent Alarm
Type 07 24-Hour Aud. Alarm
Type 08 24-Hour Aux. Alarm
Type 09 Supervised Fire

Type 20 Arm - Stay
Type 21 Arm - Away
Type 22 Disarming
Type 23 No Alarm

5827 Wireless Keypad
Training Module

- Connect 5882 wireless receiver across the console bus.
- Set the 5882 dip Switches for address “0” all switches OFF).

Enter Panel Programming

- Program location *22 and enter “1” for 5800 series wireless
- Program location *24 and program the RF house ID. 2-digit entry is required. (Between 01-32)
  - It is advisable that House Codes 01, 10 & 31 not be used as these are most frequently used by Installers not doing a House ID sniffer mode test.

5827 Programming

- If the Keypad is being used for Partition 1 set the “house ID” code as programmed in Address *24, onto the Dip switches fitted in the 5827
- If the Keypad is being used for Partition 2 then the dip switches must be set to “Partition 1 House code” + 1

(Battery must not be connected when setting house ID, Apply battery after dipswitches are set)

5827BD Bi Directional Wireless Keypad
Training Module

- Connect 5882 wireless receiver across the console bus.
- Set the 5882 dip Switches for address “0” all switches OFF).
- Connect the 5800 TM to the console. The 5800 TM must be mounted outside the Control Panel cabinet. No addressing of the 5800 TM is required.
- The three buttons across the top can be used for Fire, Panic, Emergency type Events.

Enter Panel Programming

- Program location *22 and enter “1” for 5800 series wireless
- Program location *24 and program the RF house ID. 2-digit entry is required. (Between 01-32)
  - It is advisable that House Codes 01, 10 & 31 not be used as these are most frequently used by Installers not doing a House ID sniffer mode test.

Enter 5827BD Programming

- A number of system functions must be programmed into the 5827BD.
- After the battery is fitted to the 5827BD, power the unit up by pressing the ***** key. The yellow LED should blink.
- Enter console-programming mode by depressing **1** and **3** simultaneously. The red and green LED’s will blink alternately.
- The systems 4 digit Master Code must be programmed by pressing *** 8** then the 4 digit code and **#**.
- A Quick Key function for Arm, Disarm and Chime may be programmed by entering *** 1** then the 4 digit code and **#**; or a Quick Key function of Arm and Chime but *not* Disarm by entering *** 2** then the 4 digit code and **#**.
- The systems House ID must be programmed by entering *** 9** and then the 2 digit House ID then **#**.
- The systems RF type must be programmed by entering *** 5 8** for 5800 and then **#**.
- Exit program mode by entering *** #**
- If using the 5827BD for partition 2
  - Partition 2 House code = “Partition 1 House code” +1

6.4 4285 Voice Interactive Phone Module
Training Module

- The VIP module will operate Partition 1 only
- Do not mount the 4285 inside the cabinet door above the control panel PCB.
- Connect 4285 Voice Interactive Phone module across the console bus.
- Connect the panel to the “C Com” jack on the 4285 line interface using the cable supplied with the 4285.
- Take the cable previously used for the “mode 3” connection, and connect directly to “Wall” jack on the 4285.

Enter Panel Programming

- Program Address **“*28”** for the required Voice Module access code.
  - The first digit must be programmed within the range of 1-9
  - The second digit must be a ***** (# + 11) or **#** (# + 12).

- Program Address “***95”** to set the ring detection system.
  - 1-14 = number rings
  - 15=answering machine defeat.

- To access the VIP module, either dial up the system, using the number of rings programmed in location ***95** or pick up your touch tone phone and dial the phone code.

6.5 4204 Relay Programming
Training Module

- Connect the Relay module across the console bus.
- Set 4204's Dipswitch to device address 01 (switches 2 OFF and switches 3, 4, and 5 ON). Switch 1 determines the unit's cover tamper response (ON= disabled, OFF=enabled).
- Program Address "* 25" with a 3 for a 4204 (4 Output relay module)
- Enter * 8 0 to move to "DEVICE PROGRAMMING".
- The console will display "ENTER DEVICE No."
- Enter the specific relay number 01, 02, 03, or 04 (The 4204 has 4 relays)
- Press * and the console will display a summary START screen.
- Press * and the console will display a summary STOP screen.
- Press * to move to "DEVICE ACTION" then enter 0 = not used, 1 = close for 2 secs, 2 = stay closed, or 3 = pulse on/off.
- Press * to move to "START EVENT" then enter 0 = not used, 1 = alarm, 2 = fault, 3 = trouble, or 4 = restore.
- A Zone List must be used in conjunction with an event. If a zone type/system operation is to be used instead of an event, enter 0.
- Press * to move to "START ZN LIST". If a zone list is to be used to START the relay action, enter the zone list number (1 to 3) (to be programmed in field *81) or 0 if a zone list is not being used.
- Press * to move to "START ZN TYP" then, if a zone type/system operation is being used, enter the appropriate 2-digit code as listed below.

Choices for Zone Types
00 = No Response (Not used)
01 = Entry/Exit # 1
02 = Entry/Exit # 2
03 = Perimeter
04 = Interior Follower
05 = Trouble Day/Alarm Night
06 = 24Hr Silent
07 = 24Hr Audible
08 = 24Hr Aux
09 = Fire Alarm or Trouble
10 = Interior w/Delay
24 = Silent Burglary

Choices for System Operation
20 = Arming Stay
21 = Arming Away
22 = Disarming (Code+Off)
31 = End of Exit Time
32 = Start of Entry Time
33 = Any Burglary Alarm
36 = **At Bell Timeout ***
38 = Chime
39 = Fire Alarm
40 = Bypassing
41 = **AC Power Fail
42 = **System Battery Low
43 = Communication Failure
52 = Kissoff
58 = Duress
** Use 0 (any) for Partition No. (P) entry
*** Or at Disarming, whichever occurs earlier)

Press * to move to "START PARTITON" then enter the partition number **1** or **2** (or **0** for any)

Press ***** to move to "STOP ZN LIST". If a zone list will be used to STOP, or restore, the device action enter the zone list number, 1, 2 or 3 (to be programmed in ***81** mode). If not used enter **0**.
Press ***** to move to "STOP ZN TYP" then, if a zone type/system operation is being used, enter the appropriate 2-digit code as listed above.

Press * to move to "STOP PARTITION" then enter the specific partition number **1** or **2** (**0** for any)

Press ***** to move to the "START" summary and if correct, press ***** to move to the "STOP" summary and if correct, press *****.
Console will display "ENTER DEVICE No." so that the next device may be programmed. If there are no more, Enter **0 0** to quit.
If a zone list is to be used, enter ***81**.
Console will display "ZONE LIST No.", then enter specific zone list 01, 02,or 03.
Press ***** to display "ENTER ZN NUM.", enter the two digit zone number and press ***** to move to the next zone to be included in this zone list.
After all zone lists have been entered press **0 0** to quit.
Press ***** to move to the next prompt, "DELETE ZN LIST", enter **0** to save the list or **1** to delete and return to the "ZONE LIST No." prompt.
If all zone lists have been entered, press **0 0** to quit.

7. Servicing
Training Module

KEYPAD ADDRESS: (should be address 31)

- Press 1 & 3 keys for 5 seconds within 30 seconds keypad power up
- Set to address: 31
- Press * to save & exit

CHECK CONDITIONS:

Zone 9 Indicates communication between control & a zone expander or wireless receiver is interrupted, or receiver supervision failure, or Tamper has been activated on A Relay Output Module (4204)

Fire zones: Indicates an Open circuit

Wireless zones: May be caused by some change in the environment preventing the receiver from receiving signals from that particular sensor OR that the transmitter's tamper has been activated

LOW BATTERIES:

Low battery & zone number indicates a low battery in the wireless sensor displayed

Low battery & "00" zone number indicates a low battery in a 5827 or 5827BD wireless console.

Low battery & no zone number indicates the system's main battery is weak & the System may be difficult to disarm, if in alarm

COMM FAILURE (FC) - A communication failure has occurred

OPEN CIRCUIT (OC) - The keypad is not receiving signals from the control & sees an open circuit

E4, E8 - To many wireless zones for receiver
ie more than 8 on 5882L = E4
more than 16 on 5882M = E8

VOLTAGES

- A/C volts should be 16.5VAC
- D.C. Volts across the battery leads (no battery fitted) should be 13.6 - 13.8 Dc

Servicing cont….
Training Module

IMPORTANT
REFER TO SECTION 10. SPECIFICATIONS & ACCESSORIES
(Page 36 of 10a Manual)

CONSOLE PANICS

1 & * Zone 95
3 & # Zone 96
* & # Zone 99

CONSOLE SOUNDER MIMIC

Mimics the console beeps for AWAY/STAY arming and OFF commands via an internal piezo sounder.

Red armed LED
Arm = Continuous
Stay = Flashing

Green ready LED
On = System ready to arm

Need More Help?

Call our

Technical Support Team

Phone: 1800 220 345